

Climate Air+ and LoRa Technology



The Climate Air+ Solution makes it simple to keep continuous monitoring on temperature and humidity in critical environments like warehouses, data centres, and industrial facilities. It combines high-precision devices, namely the RHT Air+ (sensor) together with the AirGate Air+ (gateway), in order to create a reliable monitoring system that works even in challenging conditions. The sensor measures temperature from -10 to 70 °C with ± 0.2 °C accuracy and humidity from 0 to 100 % RH with ± 1.5 % accuracy, capturing even the smallest changes with fine resolution.

What makes this system stand out is its ability to keep recording data no matter what. If connectivity were to drop, the sensor would continue logging up to 15,000 records, thus ensuring that there are no gaps while recording, monitoring and measuring.

Once the connection restores, the logged data would be securely transmitted via the long-range LoRa communication, which is capable of reaching up to 3km in open spaces and also able to penetrate through complex industrial environments. In this type of setup, multiple sensors can work together with up to 32 devices connected to a single gateway, which would then send encrypted data to the cloud using secure protocols like MQTT.

Installation is quick and flexible thanks to built-in magnets, while low power consumption allows the sensors to operate for up to two years, powered by battery. Designed to support compliance standards such as FDA CFR 21 Part 11 and GMP, it provides reliable, traceable data, which enables confident decision-making that is based on the data- information provided.

If maintaining product quality, preventing loss, and ensuring compliance matters to your operation, the Climate Air+ Solution is the dependable system you need. Take control of your environment today and call us for more information on the Climate Air+ Solution with LoRa Technology.

JHB Branch

Mimic Components, Address: 5 Ramsay Street, Booyens, 2091, Johannesburg. Switchboard: +27(0)11-689-5700 | WhatsApp: 071-979-9999
PO Box 38493, Booyens, 2016, Johannesburg, South Africa. Email: info1@mimiccomponents.co.za | Website: www.mimiccomponents.co.za

Cape Branch

Mimic Cape. Address: Unit 41A, Stella Park, 57 Stella Road, Montague Gardens, 7441, Cape Town. Switchboard: +27(0)21-551-8185
WhatsApp: 071-979-9999. Po Box 36955, Chempet, 7442, Cape Town, South Africa. Email: info@mimic-cape.co.za | Website: www.mimic-cape.co.za